



# KENTUCKY WEEKLY CROP & WEATHER REPORT



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Prepared in Cooperation with:  
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**AGRICULTURAL NEWS:** There were scattered showers in the beginning of the week, but for the majority of the week the State had cooler, dry weather, until the weekend when hot humid weather returned. A few areas are starting to need rain. The crops are looking good with the majority of the farm activity consisting of spraying for weeds and cutting hay and pastures. Days suitable for fieldwork averaged 3.9 days out of a possible six. **Topsoil moisture** as of Friday, July 7 was rated 4 percent very short, 14 percent short, 67 percent adequate, and 15 percent surplus. **Subsoil moisture** was rated 6 percent very short, 20 percent short, 70 percent adequate, and 4 percent surplus.

**CORN:** The corn crop was generally doing well throughout the State. Condition of the crop as of Friday, July 7, was reported as 3 percent poor, 14 percent fair, 43 percent good, and 40 percent excellent. Corn was 75 percent silked as of Sunday, July 9, ahead of last year's 66 percent and the 5 year average of 38 percent.

**SOYBEANS:** Farmers have started to spray for weeds in their soybean fields. As of Sunday July 9, 25 percent of the State's intended soybean planted acreage was blooming. This was ahead of last year's 23 percent and the 5 year average of 12 percent. Five percent of the soybeans had set pods, slightly ahead of last year's 4

percent and the 5 year average of 1 percent. The soybean crop was rated 1 percent poor, 17 percent fair, 52 percent good, and 30 percent excellent.

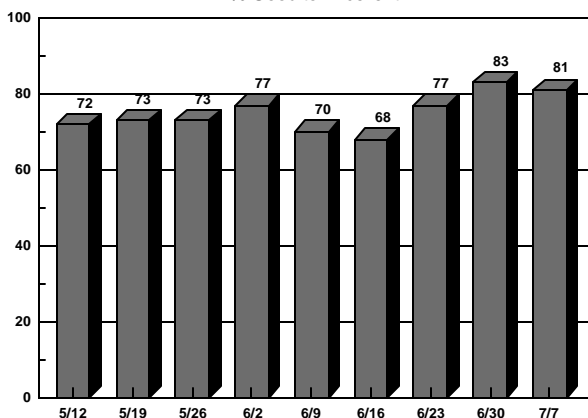
**TOBACCO:** The tobacco crop was looking good with the condition of the crop reported as 1 percent very poor, 3 percent poor, 15 percent fair, 62 percent good, and 19 percent excellent. Some disease and insect damage has been reported with the most common problem being black shank. Some horn worms have been reported along with a few reports of blue mold. Farmers have started topping their tobacco and were cultivating for weeds. The tobacco height was 26 percent under 24 inches, 52 percent between 24-36 inches, and 22 percent over 36 inches.

**SMALL GRAINS:** The wheat harvested was 96 percent complete as of July 9. The wheat crop was generally good.

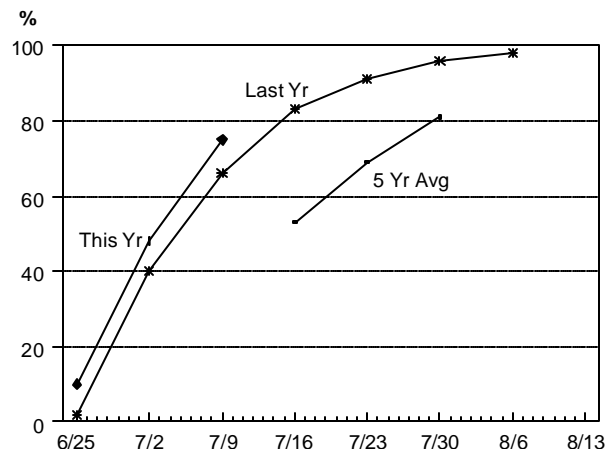
**OTHER CROPS:** Pastures and the hay crop continues to do well. Farmers were busy cutting hay for baling and trimming pastures. Hay condition as of as of July 9 was rated at 1 percent very poor, 4 percent poor, 25 percent fair, 55 percent good, and 15 percent excellent. **Pasture** condition as of July 9 was rated at 1 percent very poor, 5 percent poor, 28 percent fair, 53 percent good, and 13 percent excellent.

**BURLEY TOBACCO CONDITION**

% Good to Excellent



**CORN PERCENT SILKED**



**KENTUCKY CROP PROGRESS**  
WEEK ENDING JULY 9, 2000  
WITH COMPARISONS

Crop Stage	This Week	Previous Year	5-Yr. Avg.	Previous Week KY	U.S.
Percentage					
Corn Silking	75	66	38	48	9
Wheat Harvested	96	97	89	87	65
Soybeans					
Blooming	25	23	12	19	19
Setting Pods	5	4	1	NA	NA

(NA) Data Not Available.

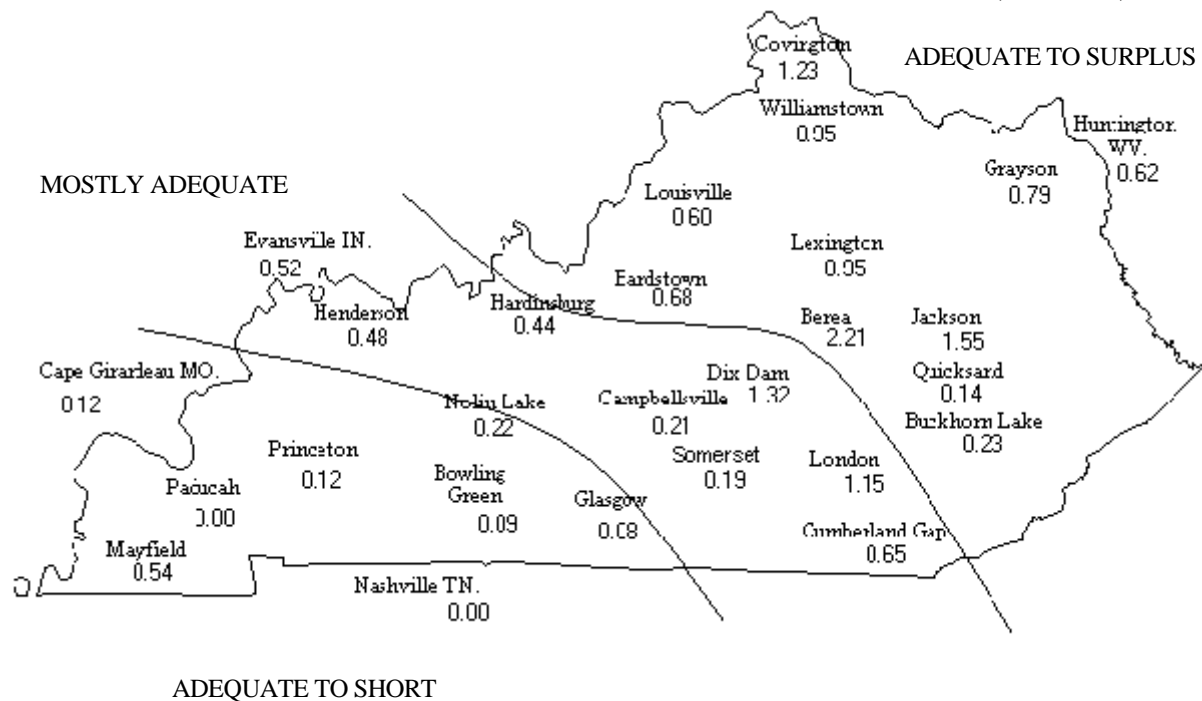
**SOIL MOISTURE**  
WEEK ENDING JULY 7, 2000  
WITH COMPARISONS

	This Week	Previous Week
Percentage		
<b>TOPSOIL</b>		
Very Short	4	1
Short	14	10
Adequate	67	68
Surplus	15	21
<b>SUBSOIL</b>		
Very Short	6	5
Short	20	24
Adequate	70	61
Surplus	4	10

**KENTUCKY CROP CONDITIONS (Percent)**

CROP	WEEK ENDING JULY 7, 2000					WEEK ENDING JUNE 30, 2000				
	VERY POOR	POOR	FAIR	GOOD	EXCEL- LENT	VERY POOR	POOR	FAIR	GOOD	EXCEL- LENT
Corn	0	3	14	43	40	0	3	13	42	42
Soybeans	0	1	17	52	30	0	1	14	52	33
Pasture	1	5	28	53	13	1	6	26	53	14
Tobacco	1	3	15	62	19	0	3	14	60	23
Hay Crops	1	4	25	55	15	-	-	-	-	-

**PRECIPITATION MAP FOR WEEK ENDING SUNDAY, JULY 9, 7:00 P.M.**  
**TOPSOIL MOISTURE DELINEATION FOR WEEK ENDING FRIDAY, JULY 2, 2000**



# KENTUCKY WEATHER SUMMARY, JULY 3 - 9, 2000:

## ABOVE NORMAL TEMPERATURES AND BELOW NORMAL RAINFALL:

The beginning of the work week saw much of the State receiving rain showers with heavy rains at times. There was also severe weather during this time with a tornado warning along the Ohio River and a wet micro burst (damaging winds) in Fayette county. This rainfall has continued to help the State in alleviating some of the hydrological drought. The work week also saw cooler temperatures until the weekend when hot, humid conditions returned.

Temperatures for the period averaged 78 degrees across the State which was 2 degrees ABOVE NORMAL. High temperatures averaged from 90 in the West to 85 in the East. Departure from normal high temperatures ranged from 1 degree ABOVE NORMAL in the West to NEAR NORMAL in the East. Low temperatures averaged from 71 degrees in the West to 65 degrees in the East. Departure from normal low temperature ranged from 5 degrees ABOVE NORMAL in the West to 1 degree ABOVE NORMAL in the East. As of July 1st the Palmer Drought Index indicated that West, Central, and Bluegrass were in a MODERATE DROUGHT hydrologically with the East at NEAR NORMAL conditions. At this same time the Crop Moisture Index indicated that all of Kentucky was at NEAR NORMAL conditions agriculturally. Rainfall for the period totaled 0.65 inches Statewide which was 0.40 inches BELOW NORMAL. Precipitation totals by climate division, West 0.30 inches, Central 0.35 inches, Bluegrass 1.29 inches and East 0.67 inches, which was -0.63, -0.75, +0.24 and -0.47 inches respectively from normal. By station, precipitation totals ranged from a low of 0.00 inches at Paducah to a high of 2.21 inches at Berea.

Tom Priddy

## KENTUCKY TEMPERATURES AND RAINFALL

FOR WEEK ENDING SUNDAY, JULY 9, 7:00 P.M.

Weather Station	Rainfall			Deviation From		Air Temperature				Growing Degree Days		
	Last Week	Since April 1	Last Four Wks	Norm Since Apr. 1	Norm Last 4 Wks	High	Low	Wkly. Avg.	Dev. From Norm	Last Week	Since Apr. 1	Dev. Since Apr. 1
	(Inches)			(Degrees Fahrenheit)								
Bardstown	0.68	10.92	3.69	-2.54	-0.08	89	57	77.0	+1	183	1731	+90
Berea	2.21	18.94	8.09	+4.64	+4.31	90	56	75.6	+0	174	1712	+31
Bowling Green	0.09	12.11	1.46	-2.70	-2.56	94	60	80.0	+4	190	1777	+66
Bristol	0.48	11.57	4.24	-0.42	+0.74	88	59	75.8	+1	176	1601	+60
Buckhorn Lake	0.23	17.24	7.66	+3.82	+3.63	89	60	75.7	+1	175	1710	+238
Cape Girardeau	0.12	9.70	4.45	-4.42	+1.22	95	63	80.6	+3	194	1792	+2
Campbellsville	0.21	16.15	5.97	+0.50	+1.78	91	59	77.5	+2	183	1801	+150
Covington	1.23	14.77	5.50	+1.67	+1.84	87	60	74.9	-0	172	1557	+67
Cumberland Gap	0.65	11.92	3.04	-2.76	-1.19	90	54	76.5	+1	175	1767	+256
Dix Dam	1.32	14.43	5.59	+0.36	+1.83	89	59	76.0	+1	177	1702	+61
Evansville	0.52	11.57	6.44	-1.86	+3.06	90	63	79.1	+1	195	1707	+17
Glasgow	0.08	15.64	3.38	-0.11	-1.07	93	60	79.4	+4	189	1894	+273
Grayson	0.79	13.22	4.72	+0.08	+0.88	89	56	73.8	-1	163	1651	+240
Hardinsburg	0.44	12.66	5.33	-1.69	+1.54	91	63	79.1	+3	192	1816	+105
Henderson	0.48	14.09	6.64	+0.30	+3.05	90	64	79.9	+2	199	1839	+119
Huntington	0.62	12.28	4.21	-0.71	+0.44	89	54	73.1	-2	159	1638	+118
Jackson	1.55	18.51	8.30	+4.59	+4.36	88	60	74.6	-0	170	1654	+182
Lexington	0.95	12.82	4.67	-0.64	+0.90	89	59	76.0	+1	176	1657	+137
London	1.15	12.64	4.12	-0.54	+0.45	90	59	76.4	+1	178	1650	+139
Louisville	0.60	13.79	7.29	+0.17	+3.79	91	63	78.2	+2	189	1746	+56
Mayfield	0.54	9.92	1.91	-4.81	-1.53	94	65	80.5	+3	196	1780	+8
Nashville	0.00	15.91	1.53	+1.94	-1.88	95	68	82.1	+6	203	1894	+74
Nolin Lake	0.22	12.86	2.88	-2.54	-1.07	93	61	79.7	+4	190	1803	+231
Paducah	0.00	12.14	2.80	-3.08	-0.98	95	62	81.1	+3	197	1838	+57
Princeton	0.12	14.02	3.20	-0.84	-0.48	94	65	80.9	+3	195	1941	+191
Quicksand	0.14	21.34	8.82	+7.42	+4.88	88	60	75.4	+0	173	1734	+262
Somerset	0.19	18.94	8.62	+3.86	+4.51	90	60	76.4	+1	181	1761	+159
Spindletop	1.11	11.39	4.26	-2.07	+0.49	89	57	75.6	+1	176	1623	+103
Williamstown	0.95	15.74	5.93	+2.09	+2.23	88	58	76.0	+1	178	1711	+191

The above information is provided by Tom Priddy, Kentucky Extension Agricultural Meteorologist, University of Kentucky Agr'l Weather Center (606)257-3000 ext 245. E-mail: tpriddy@ca.uky.edu Additional Ky weather data available on Internet at: <http://www.wagwx.ca.uky.edu/>

## APPARENT TEMPERATURE CHART

Rel Humid %	Air Temperature (Degrees Fahrenheit)					
	85	90	95	100	105	110
20	82	87	93	99	105	112
30	84	90	96	104	113	123
40	86	93	101	110	123	137
50	88	96	107	120	135	150
60	90	100	114	132	149	
70	93	106	124	144		
80	97	113	130			
90	102	122				
100	108					

CATEGORY	APPARENT TEMP	HEAT SYMPTOMS
I	> 130 degrees	Heatstroke imminent
II	105 to 130 degrees	Sunstroke likely, heatstroke possible
III	90 to 105 degrees	Sunstroke possible
IV	80 to 90 degrees	Fatigue possible

### HOW TO USE THE "APPARENT TEMPERATURE" CHART

If the outside air temperature was currently 100 degrees (F) and relative humidity was currently 50%, the apparent temperature would be 120 degrees (see chart). This means the outside temperature would feel like it was 120 degrees. Under these conditions sunstroke would be likely and heatstroke possible if exposure is prolonged. Keep in mind that the actual degree of heat stress experienced will vary with individual age, health, and body characteristics.

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